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RESEARCH ◇ Design and Analysis of Algorithms

INTERESTS ◇ Wireless Sensor Networks

◇ Network Protocol Design

◇ Algorithmic Game Theory and Social Networks

EDUCATION ◇ **Sharif University of Technology**, Tehran, Iran (2009 – Present)

B.S. in Computer Engineering, **GPA to date: 17.70/20.**

relevant courses, **GPA 19.63/20**: Advanced Programming(20/20), Computer Simulation(20/20), Probability and Statistics(18/20), Approximation Algorithms(Grad., 19/20), Design of Algorithms(20/20), Data Structures and Algorithms(20/20), Discrete Structures and Mathematics(20/20), Theory of Languages and Automata(20/20), Computer Networks(current)

◇ **Allameh Tabatabaei Complex of Cultural and Educational Units**,
Tehran, Iran, (2005 - 2009)

Diploma in Physics and Mathematics Discipline, **GPA: 19.22/20.**

HONORS AND ◇ Deputy Leader of Iran Delegation in the 25th IOI in Australia (summer 2013)

AWARDS ◇ **Ranked 3rd** in the West Asia Regional ACM-ICPC Contest, Tehran, Iran (2012)

◇ **Ranked 6th** in the West Asia Regional ACM-ICPC Contest, Tehran, Iran (2011)

◇ **Ranked 3rd** in the West Asia Regional ACM-ICPC Contest, Tehran, Iran (2010)

◇ Recognized and awarded as **Outstanding Student** by university president (2009)

◇ Recipient of the grant for undergraduate studies from the Iranian National Elites Foundation, for outstanding academic success (2009 – present)

◇ Admission to **Sharif University of Technology** (2009)

The well renowned university in Iran, the place for all previous and current gold medalists in National Olympiads and top ranked students of the nationwide university exam.

◇ **Gold Medal** in the Iranian National Olympiad in Informatics (2008)

The Olympiad in Informatics consists of solving problems of an algorithmic nature, and sophisticated computer programming challenges.

PROFESSIONAL ◇ **Member of INOI¹ Committee**

EXPERIENCE ○ Head of Scientific Committee of Iran Nationwide Programming Contest (spring 2013)

○ Head of the Students Winter Camp for IOI (winter 2012)

○ Head of Scientific Committee of Iran Nationwide Theoretical Contest (spring 2012)

○ Member of the National Committee for IOI at Young Scholars Club² (summer 2011 – present)

○ Member of the Scientific Committee of IOI at Young Scholars Club (summer 2009 – present)

◇ Member of **Scientific Committee of regional contest of ACM ICPC** (fall 2013)

◇ **Subreviewing paper** for the 7th International Conference on Combinatorial Optimization and Applications (COCOA 2013)

◇ Participated in **Advanced School in Developing Scientific Programs**, Organized by ICTP institute in Trieste, Italy (winter 2012)

TEACHING EXPERIENCE	<ul style="list-style-type: none">◇ Lecturer at Young Scholars Club<ul style="list-style-type: none">◦ Lecturer of Data Structures and Algorithm Design Course (summer 2012)◦ Lecturer of C++ Programing Course (summer 2011)◦ Working as TA for C++ Programing and Special Topics in Computer Science such as Algorithms and Data Structures and Graph Theory in training campus of Iranian National Olympiad in Informatics (2009 - 2010)◇ Teaching Assistant<ul style="list-style-type: none">◦ Theory of Languages and Automata, Spring 2012; Instructor: A. Movaghar.◦ Algorithm Design, Fall 2012 ; Instructor: H. Zarrabi-Zadeh, M. Abam.◦ Compilers and Automata Theory, Fall 2012; Instructor: M. Izadi◦ Fundamentals of Programming, Fall 2012; Instructor: F. Zamani .◦ Artificial Intelligence, Spring 2012; Instructor: M. Soleymani◦ Algorithm Design, Fall 2011; Instructor: A. Sharifi◦ Discrete Structures, Fall 2011; Instructor: M. Abam◇ Teacher of Special Topics in Mathematics (2008 – present)<p>Teaching high school students who wanted to prepare for olympiad of Informatics</p><p>Teaching material included Programming, Algorithms and Problem Solving Strategies</p>
WORKING PAPERS	<ul style="list-style-type: none">◇ Some Upper Bounds and Lower Bounds on Signed Edge Total Domination Number of Graphs<p>A joint work with S. Akbari, A. Jabal-Ameli. To be written.</p>
PROJECTS	<ul style="list-style-type: none">◇ SMJ<p>SMJ is a lightweight judging system that was implemented for 3rd round of Iranian National Olympiad in Informatics, a simple on-site programming contest. It was used successfully in summer of 2013 and is planned to be used in the following years.</p>
TEST SCORES	<ul style="list-style-type: none">◇ TOEFL (September 2013) Internet-Based Test: 106/120.<p><i>Reading (27/30), Listening(29/30), Speaking(23/30), Writing(27/30).</i></p>◇ GRE (October 2013): General Test, Paper-Based.<p><i>Verbal(146/170), Quantitative(165/170), Writing(3.5/6).</i></p>
SKILLS	<ul style="list-style-type: none">◇ Programming Languages: C/C++, Python, Java, Android Development, Verilog HDL◇ Web/DB Technologies: HTML, CSS, PHP, MySQL◇ Tools: Altera Quartus, Modelsim, Matlab, Wireshark◇ Operating Systems : Linux, Windows◇ Typesettings: L^AT_EX, Vim
LANGUAGE PROFICIENCY	<ul style="list-style-type: none">◇ Persian (Native)◇ English (Fluent)

¹Iran National Olympiad in Informatics

²Young Scholars Club acts as the sole authority and regulating body for scientific Olympiads in Iran.